

OCTOBER 4.

The President, SAMUEL G. DIXON, M.D., in the Chair.

Eighteen persons present.

The Secretary reported that papers under the following titles had been received on the dates given, and accepted for publication since the last meeting:

"Comparative Age of the Different Floristic Elements of Eastern North America," by John W. Harshberger, Ph.D. (May 28).

"The Fishes of Nantucket," by Dr. Benjamin Sharp and Henry W. Fowler (May 31).

"The Morphology and Metamorphosis of the Alimentary Canal of the Mosquito," by M. T. Thomson (June 6). Transferred to the Entomological Section.

"Notes on Orthoptera from Northern and Central Mexico," by James A. G. Rehn (June 11).

"Notes on Orthoptera from Arizona, New Mexico and Colorado," by James A. G. Rehn (June 29).

"Variability and Autonomy of Phataria," by Sarah P. Monks (July 12).

"Notes on a Collection of California Mammals," by Witmer Stone (July 13).

"On a Collection of Birds and Mammals from Mt. Sanhedrim, California," by Witmer Stone and A. S. Bunnell (July 13).

"On certain Rhachiglossate Gastropoda eliminated from the Aquillidae," by H. A. Pilsbry and E. G. Vanatta (July 23).

"Studies in the Orthopterous Subfamilies Aerydiinae (Tettiginae), Eumastacinae and Proscopinae," by James A. G. Rehn (August 17).

* "Three Odd Incidents in Ant-Life," by Adele M. Fielde (August 27).

"The Structure and Development of the Compound Eye of the Honey-Bee," by Everett Franklin Phillips (August 30).

"New Chilopods," by Ralph V. Chamberlin (September 2).

"Description of New Land Snails of the Japanese Empire," by H. A. Pilsbry and Y. Hirase (September 6).

"The Development and Structure of the Larva of Paragordius," by Thomas H. Montgomery, Jr. (September 9).

"The Reaction of Ants to Material Vibration," by Adele M. Fielde and George H. Parker (September 20).

The deaths of the following members were announced: Henry Brinton Coxe, William S. Magee and Edward K. Tryon, Jr.

The deaths of R. A. Philippi, and Edward von Martens, correspondents, were also announced.

DR. H. A. PILSBRY made a communication on the stages of growth and decline in the land mollusca. (No abstract.)

DR. J. P. MOORE spoke of sexual polymorphism in annelids, with special reference to the Polychæta. (No abstract.)

OCTOBER 18.

The President, SAMUEL G. DIXON, M.D., in the Chair.

Thirty-two persons present.

Papers under the following titles were presented for publication:

"The Orthoptera of Thomas County, Georgia, and Leon County, Florida," by James A. G. Rehn and Morgan Hebard (October 11).

"Annotated List of the Types of Invertebrate Cretaceous Fossils in the Collection of the Academy of Natural Sciences of Philadelphia," by Charles W. Johnson (October 14).

DR. BENJAMIN SHARP reported his experience during the summer on a trawler from Hull which fished in the North Sea between England and Helgoland, and on the cutter which brought the catch to London. (No abstract.)

A new Centrifuge.—DR. HENRY EMERSON WETHERILL described a compact centrifuge that will do all the work of the ordinary centrifuge with the advantages of being more compact, less complex, and more easily cleaned.

It does away completely with the heretofore unnecessary gearing required for the revolutions, this being accomplished by a double rotating motion produced by the twisting of rawhides or rope. This to-and-fro motion gives a more level precipitation, and the magnifying bulbous end of the graduated bottle enables a measurement of the smallest amounts of precipitate. The bottles are tightly corked, thus preventing the mixture of the precipitate with the supernatant liquid, and serving as a safeguard in revolving infectious material.

The instrument will fit in the vest pocket like a clinical thermometer, and when one of the little pocket microscopes now to be had is used